

**TRAINER, E-28 ARRESTING GEAR ARREST/RETRIEVE ENGINE, DEVICE 2H137****TRAINING CATEGORY:**

AVIATION (Aircraft Recovery Equipment)

**ORIGINATING AGENCY:**

DCNO/AIR

**SECURITY CLASSIFICATION:**

Device 2H137 is unclassified.

**PURPOSE:**

To demonstrate the operation of the E-28, Arresting Gear Arrest/Retrieve Engine. The arrest/retrieve action can be simulated. The rotor and stator can be viewed through the transparent housing to observe the relative motion of the rotor and stator vanes.

**INTENDED USE:**

In Aviation Boatswain's Mate Equipment School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of the E-28 arresting gear arrest/retrieve engine.

**FUNCTIONAL DESCRIPTION:**

The 1/3 scale mockup operates the same as an actual unit except that there is no coolant fluid. The pendant can be pulled out as in the arrest condition and rewound in the retrieve. The pre-tensioning warning light operates and coolant fluid flow is simulated by sequential lighting in the flow lines to and from the engine. The entire unit is mounted on a table top type stand with casters. It fully demonstrates the functions of the arresting engine and can be disassembled, as a hands-on trainer in a classroom environment. Parts are color coded for identification.

**PHYSICAL INFORMATION:**

**Number of Pieces:** One (1) Stand Assembly

**Size:** 60" High x 34" Deep x 108" Long

**Weight:** 709 lbs.

## DIRECTORY OF NAVAL TRAINING DEVICES

**POWER REQUIREMENTS:**

120 VAC, 60 Hz, .5 amp capacity outlet.

**PUBLICATIONS FURNISHED:**

Operations and Maintenance Guide, Trainer, E-28 Arresting Gear Arrest/Retrieve Engine, Device 2H137, NAVTRASYS-CEN, P-5353-17 (U).

**PERSONNEL:**

**Instructor:** One (1) Chief or 1st Class PO graduate of Aviation Boatswain's Mate Equipment School with actual experience onboard an aircraft carrier.

**Operator:** Instructor- operated

**Trainees:** Class of up to 50

**Maintenance:** One (1) hour per 100 hour utilization. (Approximately every 2 months of use)

**CONTRACT IDENTIFICATION:**

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

**LOCAL STOCK NUMBER:**

6910-LL-C00-6885